

**STATE OF SOUTH CAROLINA**

(Caption of Case)

**Monthly Fuel Cost Report and Base Load Power  
Plant Performance Report****BEFORE THE  
PUBLIC SERVICE COMMISSION  
OF SOUTH CAROLINA****COVER SHEET****DOCKET****NUMBER: 1989 - 9 - E**

(Please type or print)

**Submitted by: Catherine E. Heigel****SC Bar Number: 9268****Address: Duke Energy Corporation****Telephone: 704.382.8123****PO Box 1006/ EC03T****Fax: 704.382.5690****Charlotte, NC 28201-1006****Other:****Email: Catherine.Heigel@duke-energy.com**

NOTE: The cover sheet and information contained herein neither replaces nor supplements the filing and service of pleadings or other papers as required by law. This form is required for use by the Public Service Commission of South Carolina for the purpose of docketing and must be filled out completely.

**DOCKETING INFORMATION** (Check all that apply)☐ **Emergency Relief demanded in petition** ☐ **Request for item to be placed on Commission's Agenda expeditiously**☐ **Other:****INDUSTRY (Check one)****NATURE OF ACTION (Check all that apply)**

- |  |  |  |   |
|--|--|--|---|
| <input checked="" type="checkbox"/> Electric         | <input type="checkbox"/> Affidavit                 | <input type="checkbox"/> Letter                            | <input type="checkbox"/> Request                  |
| <input type="checkbox"/> Electric/Gas                | <input type="checkbox"/> Agreement                 | <input type="checkbox"/> Memorandum                        | <input type="checkbox"/> Request for Certificatio |
| <input type="checkbox"/> Electric/Telecommunications | <input type="checkbox"/> Answer                    | <input type="checkbox"/> Motion                            | <input type="checkbox"/> Request for Investigatio |
| <input type="checkbox"/> Electric/Water              | <input type="checkbox"/> Appellate Review          | <input type="checkbox"/> Objection                         | <input type="checkbox"/> Resale Agreement         |
| <input type="checkbox"/> Electric/Water/Telecom.     | <input type="checkbox"/> Application               | <input type="checkbox"/> Petition                          | <input type="checkbox"/> Resale Amendment         |
| <input type="checkbox"/> Electric/Water/Sewer        | <input type="checkbox"/> Brief                     | <input type="checkbox"/> Petition for Reconsideration      | <input type="checkbox"/> Reservation Letter       |
| <input type="checkbox"/> Gas                         | <input type="checkbox"/> Certificate               | <input type="checkbox"/> Petition for Rulemaking           | <input type="checkbox"/> Response                 |
| <input type="checkbox"/> Railroad                    | <input type="checkbox"/> Comments                  | <input type="checkbox"/> Petition for Rule to Show Cause   | <input type="checkbox"/> Response to Discovery    |
| <input type="checkbox"/> Sewer                       | <input type="checkbox"/> Complaint                 | <input type="checkbox"/> Petition to Intervene             | <input type="checkbox"/> Return to Petition       |
| <input type="checkbox"/> Telecommunications          | <input type="checkbox"/> Consent Order             | <input type="checkbox"/> Petition to Intervene Out of Time | <input type="checkbox"/> Stipulation              |
| <input type="checkbox"/> Transportation              | <input type="checkbox"/> Discovery                 | <input type="checkbox"/> Prefiled Testimony                | <input type="checkbox"/> Subpoena                 |
| <input type="checkbox"/> Water                       | <input type="checkbox"/> Exhibit                   | <input type="checkbox"/> Promotion                         | <input type="checkbox"/> Tariff                   |
| <input type="checkbox"/> Water/Sewer                 | <input type="checkbox"/> Expedited Consideration   | <input type="checkbox"/> Proposed Order                    | <input type="checkbox"/> Other:                   |
| <input type="checkbox"/> Administrative Matter       | <input type="checkbox"/> Interconnection Agreement | <input type="checkbox"/> Protest                           |   |
| <input type="checkbox"/> Other:                      | <input type="checkbox"/> Interconnection Amendment | <input type="checkbox"/> Publisher's Affidavit             |   |
|  | <input type="checkbox"/> Late-Filed Exhibit        | <input checked="" type="checkbox"/> Report                 |   |



DUKE ENERGY CAROLINAS, LLC  
526 South Church St.  
Charlotte, NC 28202

Mailing Address:  
EC03T / PO Box 1006  
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September 1, 2009

Charles L. A. Terreni, Esquire  
Chief Clerk and Administrator  
The Public Service Commission of South Carolina  
P. O. Drawer 11649  
Columbia, South Carolina 29211

**Re: Docket No. 1989-9-E**

Dear Mr. Terreni:

Pursuant to the Commission's Orders in the above-captioned docket, enclosed for filing are copies of the following for Duke Energy Carolinas, LLC ("the Company"):

1. Monthly Fuel Cost Report for July 2009 (Exhibit A); and
2. Base Load Power Plant Performance Report for July 2009 (Exhibit B).

For June 2009, the appropriate schedules have been revised to reflect changes to events at Riverbend Steam Station.

If you have any questions regarding this matter, please call me.

Sincerely,

Catherine E. Heigel

/sch

Enclosures

Copy: Office of Regulatory Staff  
Dan Arnett, Chief of Staff  
John Flitter  
Jeff Nelson

South Carolina Energy Users Committee  
Scott Elliott, Esquire

Exhibit A  
Schedule 1

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
SUMMARY OF MONTHLY FUEL REPORT

	July 2009
Fuel Expenses:	
1 Fuel and purchased power expenses included in fuel component	\$ 142,592,404
2 Less fuel expenses (in line 1) recovered through inter-system sales (a)	892,832
3 Total fuel expenses (line 1 minus line 2)	\$ 141,699,572
MWH sales:	
4 Total system sales.	7,357,721
5 Less inter-system sales	42,602
6 Total sales less inter-system sales	7,315,119
7 Total fuel expenses (\$/KWH) (line 3/line 6)	1.9371
8 Current fuel component (\$/KWH)	2.2485
Generation Mix (MWH):	
Fossil (by primary fuel type):	
9 Coal	3,383,124
10 Fuel Oil	(998)
11 Natural Gas	11,806
12 Total fossil	3,393,932
13 Nuclear (b)	5,303,651
Hydro:	
14 Conventional	88,352
15 Pumped storage	(76,097)
16 Total hydro	12,255
17 Total MWH generation	8,709,838
18 Less: Catawba joint owners' retained portion	1,337,299
19 Adjusted total MWH generation	7,372,539
(a) Line 2 includes:	
Fuel from Intersystem Sales (Schedule 3)	883,695
Fuel in Loss Compensation	9,137
Total fuel recovered from Intersystem Sales	892,832
(b) Includes 100% of Catawba generation.	

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
DETAILS OF FUEL AND PURCHASED POWER EXPENSES

	<u>July 2009</u>
Fuel expenses included in Base fuel Component:	
Steam Generation - FERC Account 501	
0501110 Coal Consumed - Steam	\$ 116,032,807
0501222, 0501223 Test Fuel Consumed/Biomass	8,487
0501310 Fuel Oil Consumed - Steam	206,517
0501330 Fuel Oil Light-Off - Steam	724,753
Total Steam Generation - Account 501	<u>116,972,565</u>
Environmental Costs	
0509000 Emission Allowance Expense	17,040
Reagents.	1,879,410
Emission Allowance Sales	(1,139,860)
Total Environmental Costs	<u>756,590</u>
Nuclear Generation - FERC Account 518	
0518100 Burnup of Owned Fuel	14,705,403
0518600 Nuclear Fuel Disposal Cost	3,651,446
Total Nuclear Generation - Account 518	<u>18,356,849</u>
Other Generation - FERC Account 547	
0547100 Natural Gas Consumed	378,404
0547200 Fuel Oil Consumed - CT	3,209
Total Other Generation - Account 547	<u>381,614</u>
Total fossil and nuclear fuel expenses included in Base Fuel Component	136,467,617
Fuel component of purchased and interchange power per Schedule 3, pages 1 and 2	<u>6,124,787</u>
Total fuel expenses included in Base Fuel Component	<u>\$ 142,592,404</u>

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
DETAILS OF FUEL AND PURCHASED POWER EXPENSES

	<u>July 2009</u>
Other fuel expenses not included in Base Fuel Component:	
0518610 Spent Fuel Canisters-Accrual	199,279
0518620 Canister Design Expense	17,324
0518700 Fuel Cycle Study Costs	109,824
Non-fuel component of purchased and interchanged power	<u>9,379,708</u>
Total other fuel expenses not included in Base Fuel Component	<u>\$ 9,706,135</u>
Total FERC Account 501 - Total Steam Generation	116,972,565
Total Environmental Costs	756,590
Total FERC Account 518 - Total Nuclear Generation	18,683,276
Total FERC Account 547 - Other Generation	381,614
Total Purchased and Interchanged Power Expenses	<u>15,504,495</u>
Total Fuel and Purchased Power Expenses	<u>\$ 152,298,539</u>

DUKE ENERGY CAROLINAS  
PURCHASED POWER AND INTERCHANGE  
SOUTH CAROLINA  
JULY 2009

Schedule 3  
SC, Purchases, Month  
Page 1 of 3

Purchased Power Marketers, Utilities, Other	Total \$	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
American Electric Power Serv Corp.	29,550	-	-	900	18,026	11,524
Associated Electric Cooperative Inc.	13,669	-	-	359	8,338	5,331
Blue Ridge Electric Membership Corp.	1,067,111	86	702,931	52,665	222,156	142,024
Calpine Power Services Marketing	333,428	-	-	9,380	203,391	130,037
Cargill Power Marketers LLC	28,971	-	-	783	17,672	11,289
Citygroup Energy	30,780	-	-	648	18,776	12,004
City of Kings Mtn	8,979	3	8,979	-	-	-
Cobb Electric Membership Corp.	560	-	-	20	342	218
Constellation	68,100	-	-	1,859	41,541	29,559
Eagle Energy Partners	328,706	-	-	25,000	232,144	36,562
Haywood Electric	446,689	20	200,429	7,852	150,157	96,003
Hess Corporation	-	-	-	(10,000)	15,834	(15,834)
Lockhart Power Co.	19,272	7	19,272	-	(11,756)	11,756
MISO	(4,826)	-	-	-	(2,942)	(1,884)
Morgan Stanley Capital Group	62,400	-	-	1,600	38,064	24,336
NCEMC load following	7,223	-	-	722	3,348	3,875
NCEMPA #1	3,413,702	-	-	100,722	1,580,290	1,833,412
Piedmont Electric Membership Corp.	1,145,610	42	461,076	26,364	416,606	267,528
PJM Interconnection LLC	1,455,269	-	-	43,612	887,714	567,555
Progress Energy Carolinas	78,600	-	-	2,000	65,298	13,302
Rutherford Electric Membership Corp.	24,636	-	-	3,811	15,028	9,608
Sequent Energy Management	(28,120)	-	-	(7,000)	(17,763)	(11,357)
SC Electric & Gas	12,400	-	-	250	7,564	4,836
Southern	92,245	-	-	4,323	66,269	35,976
SPCO - Rowan	1,093,279	456	1,359,984	1,984	(253,370)	(13,335)
The Energy Authority	262,927	-	-	7,335	160,385	102,542
Town of Dallas	584	-	584	-	-	-
Town of Forest City	21,024	7	21,024	-	-	-
TVA	108,850	-	-	2,565	66,389	42,461
Generation Imbalance	163,610	-	-	3,182	(405)	164,015
Energy Imbalance	(59,017)	-	-	(1,881)	(12,093)	(46,924)
	<b>\$ 10,226,111</b>	<b>621</b>	<b>\$ 2,774,279</b>	<b>278,946</b>	<b>\$ 3,987,013</b>	<b>\$ 3,463,619</b>

**DUKE ENERGY CAROLINAS**  
**PURCHASED POWER AND INTERCHANGE**  
**SOUTH CAROLINA**  
**JULY 2009**

Schedule 3  
SC, Purchases, North  
Page 2 of 3

Purchased Power	Total	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
<b>Cogen, Purpa, Small Power Producers</b>	<b>\$</b>					
Advantage Investment Group, LLC	115	-	-	1	-	115
AKS Real Estate Holdings LLC	25	-	-	-	-	25
Alamance Hydro, LLC	5,257	-	-	78	-	5,257
Andrews Truss, Inc.	116	-	-	1	-	116
Anna L. Reilly	61	-	-	1	-	61
Aquenergy Corp.	49,159	-	-	821	-	49,159
Barbara Ann Evans	2,166	-	-	59	-	2,166
Bruce Marotta	46	-	-	1	-	46
Bryon P Matthews	26	-	-	-	-	26
Catawba County	60,026	-	-	1,667	-	60,026
Cherokee County	4,311,543	1,257,809	-	57,759	1,834,214	1,219,525
Cliffside Mills LLC	13,567	-	-	181	-	13,567
Converse Energy	13,764	-	-	244	-	13,764
Dale Earnhardt Inc.	90	-	-	1	-	90
Dave K Birthhead	22	-	-	-	-	22
David A Ringenbun	47	-	-	1	-	47
David E. Shi	36	-	-	1	-	36
David M Thomas	70	-	-	1	-	70
David Wiener	28	-	-	-	-	28
Decision Support	243	-	-	5	-	243
Delta Products Corp.	358	-	-	4	-	358
Diana M. Barbacci	27	-	-	-	-	27
Fogleman Construction, Inc	33	-	-	-	-	33
Frances L. Thomson	56	-	-	1	-	56
Gerald Priebe	86	-	-	1	-	86
Gerald W. Meisner	72	-	-	1	-	72
Greenville Gas Producer, LLC	106,964	-	-	1,862	251,635	(142,671)
Gwenneth T Reid	51	-	-	1	-	51
Hanesline Power, LLC	10,401	-	-	136	-	10,401
Haw River Hydro Co	20,356	-	-	564	-	20,356
Hayden-Harman Foundation	24	-	-	-	-	24
Hendrik J Rodenburg	41	-	-	1	-	41
Henry Jay Becker	18	-	-	-	-	18
HMS Holdings Limited Partnership	320	-	-	5	-	320
Holzworth Holdings	26	-	-	-	-	26
Innovative Solar Solutions	44	-	-	-	-	44
Jafasa Farms	158	-	-	2	-	158
James B Sherman	22	-	-	-	-	22
Jerome Levit	19	-	-	-	-	19
Jody Fine	19	-	-	-	-	19
Joel L. Hager	39	-	-	-	-	39
John B Robbins	57	-	-	1	-	57
John H. Dillbert	123	-	-	1	-	123
Linda Alexander	27	-	-	-	-	27
Mark A Powers	21	-	-	-	-	21
Matthew T. Ewers	24	-	-	-	-	24
Mayo Hydro	39,852	-	-	898	-	39,852
Megawatt Solar Inc	9	-	-	-	-	9
Mill Shoals Hydro	13,614	-	-	356	-	13,614
Northbrook Carolina Hydro	80,123	-	-	1,118	-	80,123
Optima Engineering	98	-	-	1	-	98
Pacific HOA	16	-	-	-	-	16
Paul G. Keller	41	-	-	1	-	41
Pelzer Hydro Co.	66,956	-	-	1,183	-	66,956
Philip B. Caldwell	41	-	-	-	-	41
Pickins Mill Hydro LLC	11,691	-	-	157	-	11,691
Pipplin Home Designs, Inc	20	-	-	-	-	20
PRS-PK Engines, LLC	152	-	-	3	-	152
R Lawrence Ashe Jr	56	-	-	1	-	56
Rajah Y Chacko	21	-	-	-	-	21
Ramona L. Sherwood	33	-	-	-	-	33
Ron B Rozzelle	56	-	-	1	-	56
Rousch & Yates Racing Engines, LLC	259	-	-	4	-	259
Salem Energy Systems	104,222	-	-	2,167	-	104,222
Shawn Slome	16	-	-	-	-	16
South Yadkin Power	8,100	-	-	108	-	8,100
Spray Cotton Mills	12,914	-	-	319	-	12,914
Staven Graf	56	-	-	1	-	56
Strates Inc	73	-	-	1	-	73
Sun Capital, Inc	269	-	-	3	-	269
T.S. Designs, Inc.	108	-	-	1	-	108
The Rocket Shop, LLC	29	-	-	-	-	29
Thomas Knox Worde	30	-	-	-	-	30
Thomas W Betts	39	-	-	1	-	39
Town of Chapel Hill	42	-	-	1	-	42
Town of Lake Lure	18,958	-	-	418	-	18,958
W. Jefferson Holt	123	-	-	1	-	123
Walker C. McGervey	13	-	-	-	-	13
William Terry Baker	50	-	-	1	-	50
Yves Naar	50	-	-	1	-	50
Energy Imbalance	(78,263)	-	-	-	(145,373)	67,110
	<b>\$ 4,877,665</b>	<b>-</b>	<b>\$ 1,257,809</b>	<b>70,146</b>	<b>\$ 1,940,476</b>	<b>\$ 1,679,380</b>
<b>TOTAL PURCHASED POWER</b>	<b>\$ 15,102,776</b>	<b>621</b>	<b>\$ 4,032,088</b>	<b>349,092</b>	<b>\$ 5,927,489</b>	<b>\$ 5,143,199</b>
<b>INTERCHANGES IN</b>						
Other Catawba Joint Owners	6,772,912	-	-	701,610	3,158,917	3,613,995
<b>Total Interchanges In</b>	<b>6,772,912</b>	<b>-</b>	<b>-</b>	<b>701,610</b>	<b>3,158,917</b>	<b>3,613,995</b>
<b>INTERCHANGES OUT</b>						
Other Catawba Joint Owners	(6,371,193)	(666)	(134,209)	(658,139)	(2,961,619)	(3,275,365)
Catawba- Net Negative Generation	-	-	-	-	-	-
<b>Total Interchanges Out</b>	<b>(6,371,193)</b>	<b>(666)</b>	<b>(134,209)</b>	<b>(658,139)</b>	<b>(2,961,619)</b>	<b>(3,275,365)</b>
<b>Net Purchases and Interchange Power before PCL</b>	<b>15,504,495</b>	<b>(245)</b>	<b>3,897,879</b>	<b>392,564</b>	<b>6,124,787</b>	<b>5,481,829</b>
<b>Purchased Capacity Levelization</b>	<b>(2,380,806)</b>	<b>-</b>	<b>(2,380,806)</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Net Purchases and Interchange Power after PCL</b>	<b>13,123,689</b>	<b>(245)</b>	<b>1,517,073</b>	<b>392,564</b>	<b>6,124,787</b>	<b>5,481,829</b>

DUKE ENERGY CAROLINAS  
INTERSYSTEM SALES\*  
SOUTH CAROLINA FUEL FILING  
JULY 2009

Schedule 3  
SC, Sales, Month  
Page 3 of 3

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
<b>Utilities:</b>						
SC Public Service Authority - Emergency	\$ 80,300	-	\$ -	1,558	\$ 67,476	\$ 12,824
SC Electric & Gas - Emergency	2,406	-	-	47	1,975	431
<b>Market Based:</b>						
Cargill-Alliant, LLC	2,180	-	-	40	2,016	184
Cobb Electric Membership Corp	301,620	-	-	13,580	12,172	289,448
ConocoPhillips Company	-	-	-	-	17	(17)
Detroit Edison	108,000	-	-	100	-	108,000
DTE Energy Trading	288,000	-	-	300	-	288,000
Entergy Services	281,250	-	-	250	-	281,250
Fortis Energy Marketing	-	-	-	-	8	(8)
MISO	7,563	-	-	414	19,198	(11,635)
NCEMC (Generator/Instantaneous)	758,510	50	337,500	7,865	344,989	76,021
NCMPA #1	234,128	50	211,000	393	18,791	4,337
NCMPA #1 - Rockingham	416,689	50	157,500	6,450	(15,699)	274,888
Oglethorpe	10,000	-	-	200	8,830	1,170
PJM Interconnection LLC	122,076	-	-	2,701	125,887	(3,811)
Power South Coop	-	-	-	-	35	(35)
Progress Energy Carolinas	128,700	-	-	2,710	110,950	17,750
SC Public Service Authority	(2)	-	-	-	-	(2)
The Energy Authority	157,734	-	-	2,971	134,082	23,652
TVA	35,000	-	-	700	31,508	3,492
<b>Other:</b>						
Generation Imbalance	145,904	-	-	2,323	21,460	124,444
BPM Transmission	(73,614)	-	-	-	-	(73,614)
	<u>\$ 3,006,444</u>	<u>150</u>	<u>\$ 708,000</u>	<u>42,602</u>	<u>\$ 883,695</u>	<u>\$ 1,416,749</u>

\* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.



DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
SC RETAIL COMPARISON OF FUEL REVENUES AND EXPENSES

Billing Period: October 2008 - September 2009  
Current Month: July 2009

	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( Estimate )	( Estimate )
	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
1 South Carolina sales (MWH)	1,584,631	1,592,476	1,769,078	1,694,883	1,741,562	1,557,118	1,434,985	1,424,373	1,729,945	1,880,043	2,133,615	2,058,954
2 Fuel costs (Cents per KWH)	2.1747	2.5021	1.7732	1.9496	1.6142	1.7591	1.5919	1.8371	2.1159	1.9371	2.4381	2.1968
3 Fuel base (Cents per KWH)	2.2472	2.2471	2.2482	2.2486	2.2482	2.2482	2.2477	2.2477	2.2476	2.2485	2.2641	2.2639
4 Fuel cost incurred	\$34,460,970	\$39,845,342	\$31,369,291	\$33,043,439	\$28,112,294	\$27,391,263	\$22,843,526	\$26,167,156	\$36,603,906	\$36,418,313	\$52,019,667	\$45,231,101
5 Fuel cost billed	\$35,609,828	\$35,784,528	\$39,772,412	\$38,111,139	\$39,153,797	\$35,007,127	\$32,254,158	\$32,015,632	\$38,882,244	\$42,272,767	\$48,307,177	\$46,612,660
6 Over (Under) recovery (Line 5 - line 4 x constant tax factor of 1.0044)	\$1,153,912	(\$4,078,681)	\$8,440,095	\$5,089,997	\$11,090,087	\$7,649,374	\$9,452,041	\$5,874,210	\$2,288,363	\$5,880,215	(\$3,728,825)	\$1,387,638
7 Over (Under) recovery -- prior balance	\$12,158,806	\$12,265,701	\$8,540,390	\$15,839,969	\$20,536,344	\$30,951,135	\$38,069,266	\$47,015,459	\$52,078,525	\$53,417,687	\$58,540,401	\$54,811,576
8 Prior month correction/adjustment	(\$1,047,017)	\$353,370	(\$1,140,516)	(\$393,622)	(\$675,296)	(\$531,243)	(\$505,848)	(\$811,144)	(\$949,201)	(\$757,501)		
9 Cumulative over (under)	\$12,265,701	\$8,540,390	\$15,839,969	\$20,536,344	\$30,951,135	\$38,069,266	\$47,015,459	\$52,078,525	\$53,417,687	\$58,540,401	\$54,811,576	\$56,199,214

DUKE ENERGY CAROLINAS  
FUEL COST REPORT  
July 2009

Line No.	Description	(1) (B)	(2) (B)	(3) (B)	(4)	(5) (B)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	Total
	Station	Belews Creek	Marshall	Allen	Riverbend	Cliffside	Dan River	Buck	Lee	Buzzard Roost	Lincoln	Mill Creek	Rockingham	Oconee	McGuire	Catawba	Current Month
	Cost of Fuel Purchased(\$)																
1	Coal (H)	54,264,691	23,031,313	11,460,429	1,578,122	12,951,540	64,077	3,350,985	1,756,912	-	-	-	-	-	-	-	108,458,089
2	Oil	182,384	343,595	201,938	101,642	65,432	-	-	203,915	-	-	-	-	-	-	-	1,098,905
3	Gas	-	-	-	(2,511)	-	729	372	10,211	-	21,550	(141,913)	489,966	-	-	-	378,404
4	Total	54,447,075	23,374,908	11,662,367	1,677,253	13,016,972	64,806	3,351,357	1,971,038	-	21,550	(141,913)	489,966	-	-	-	109,935,379
	Average Cost of Fuel as Purchased (CENTS/MBTU)																
5	Coal	387.34	330.13	412.68	304.08	373.26	INF.	367.18	323.89	-	-	-	-	-	-	-	371.33
6	Oil	1,354.50	1,357.31	1,270.02	1,209.37	1,277.09	-	-	1,322.65	-	-	-	-	-	-	-	1,314.09
7	Gas	-	-	-	INF.	-	INF.	INF.	871.25	-	INF.	INF.	365.11	-	-	-	267.33
8	Weighted Average	388.27	333.84	417.56	318.03	374.59	INF.	367.22	352.58	-	INF.	INF.	365.11	-	-	-	373.50
	Cost of Fuel Burned(\$)																
9	Coal (A) (D) (G)	50,439,201	35,037,615	14,381,321	2,544,540	10,916,534	654,813	725,473	1,341,797	-	3,209	-	-	-	-	-	116,041,294
10	Oil	185,093	190,397	147,865	138,044	34,868	51,343	33,134	150,526	-	-	-	-	-	-	-	934,479
11	Gas	-	-	-	(2,511)	-	729	372	10,211	-	21,550	(141,913)	489,966	-	-	-	378,404
12	Nuclear (E) (F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Total	50,624,294	35,228,012	14,529,186	2,680,073	10,951,402	706,865	758,979	1,502,534	-	24,759	(141,913)	489,966	9,273,059	7,602,497	7,695,629	24,572,185
14	Less: Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,215,336	6,215,336
15	Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,481,283	135,711,026
	Average Cost of Fuel Burned (CENTS/MBTU)																
16	Coal	383.84	317.60	377.45	355.77	350.79	365.66	377.44	337.73	-	-	-	-	-	-	-	356.15
17	Oil	1,291.83	1,287.77	1,152.67	1,481.64	1,286.55	1,782.74	1,533.83	1,520.31	-	INF.	-	-	-	-	-	1,357.85
18	Gas	-	-	-	INF.	-	INF.	INF.	871.25	-	INF.	INF.	365.11	-	-	-	267.33
19	Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	47.41	43.93	44.52	45.38
20	Weighted Average	384.83	318.80	380.05	369.90	351.60	388.49	390.74	367.93	-	INF.	INF.	365.11	47.41	43.93	44.52	163.24
	Average Cost of Fuel Burned (C) (CENTS/KWH Generated)																
21	Coal	3.59	3.03	3.85	3.85	3.47	4.42	4.26	3.63	-	-	-	-	-	-	-	3.43
22	Oil	INF.	INF.	INF.	(D)	INF.	(D)	(D)	INF.	(D)	(D)	(258.02)	4.17	-	-	-	(D)
23	Gas	-	-	-	INF.	-	INF.	INF.	(D)	-	INF.	(258.02)	4.17	-	-	-	3.21
24	Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	0.48	0.45	0.45	0.46
25	Weighted Average	3.60	3.05	3.89	4.06	3.48	4.78	4.47	4.07	(D)	(D)	(258.02)	4.17	0.48	0.45	0.45	1.63
	MBTU's Burned																
26	Coal	13,140,897	11,035,345	3,810,110	715,218	3,112,016	179,077	192,211	397,301	-	-	-	-	-	-	-	32,581,975
27	Oil	14,328	14,785	12,828	9,317	2,753	2,880	2,028	9,901	-	-	-	-	-	-	-	68,820
28	Gas	-	-	-	-	-	-	-	1,172	-	-	6,181	134,195	-	-	-	141,548
29	Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Total	13,155,025	11,050,130	3,822,938	724,535	3,114,769	181,957	194,239	408,374	-	-	6,181	134,195	19,659,735	17,305,562	17,287,577	54,152,874
31	Less: Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,960,410	13,960,410
32	Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,327,167	72,984,807
	Net Generation (MWH)																
33	Coal (I)	1,404,593	1,155,741	373,179	66,151	314,672	14,819	17,029	36,940	-	-	-	-	-	-	-	3,383,124
34	Oil	-	-	-	(92)	-	(28)	(39)	-	(100)	(739)	-	-	-	-	-	(998)
35	Gas	-	-	-	-	-	-	-	(8)	-	-	55	11,759	-	-	-	11,806
36	Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	1,918,090	1,675,706	1,709,855	5,303,651
37	Total	1,404,593	1,155,741	373,179	66,059	314,672	14,791	16,990	36,932	(100)	(739)	55	11,759	1,918,090	1,675,706	1,709,855	8,697,583
38	Less: Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,380,776	1,380,776
39	Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	329,079	7,316,807

NOTE(S): Detail amounts may not add to totals shown due to rounding.

(A) Twelve months ended includes aerial survey adjustments made to coal inventory in Dec08, which are reflected in cost of coal consumed and tons of coal consumed.

(B) These stations are steam generation only; therefore, gas is not applicable.

(C) CENTS/KWH not computed when net generation is negative.

(D) Cost of fuel burned excludes \$17,040 associated with emission allowance expense for the month.

(E) Cost of fuel burned excludes \$199,279 associated with canister accrual for the month.

(F) Cost of fuel burned excludes \$17,324 associated with canister design expense for the month.

(G) Fuel burned includes 369 tons and \$8,467 associated with Biomass (wood product) test burn at Lee for the month.

(H) Fuel received includes 815 tons and \$18,747 associated with Biomass (wood product) test fuel at Lee for the month.

(I) Net generation (MWH) includes 279 MWH associated with the co-burn of Biomass (wood product) at Lee for the month.

Schedule 5

DUKE ENERGY CAROLINAS  
FOSSIL FUEL CONSUMPTION AND INVENTORY REPORT  
July 2009

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
		(B) Belews Creek	(B) Marshall	(B) Allen	Riverbend	(B) Cliffside	Dan River	Buck	(D) Lee	Buzzard Roost	Lincoln	Mill Creek	Rockingham	Month Total
Coal Data (A):														
2	Tons received during period	571,080	279,322	112,336	21,670	137,775	72	37,881	23,202					1,183,338
3	Inventory adjustments	(2,500)	(437)	(2,438)	145	902	78	273	973					(3,004)
4	Tons burned during period	531,274	441,502	152,474	29,784	124,961	7,401	8,124	16,703					1,312,223
5	MBTU's burned per ton	24.73	25.00	24.99	24.01	24.90	24.20	23.66	23.79					24.83
Tons coal on hand:														
6	Beginning balance	1,418,478	1,015,749	665,975	310,078	387,783	97,429	212,847	206,357					4,314,696
7	Ending balance	1,455,784	853,132	623,399	302,109	401,499	90,178	242,877	213,829					4,182,807
8	Cost of ending inventory (\$ per ton)	95.10	79.40	94.69	85.39	87.17	88.41	89.20	81.25					89.18
Oil Data:														
9	Gallons received during period	96,637	183,142	114,416	61,042	37,080	-	-	111,855	-	-	-	-	604,172
10	Miscellaneous usage, transfers and adjustments	(12,021)	(20,667)	(4,220)	(654)	(3,828)	(424)	(1,260)	(3,999)	-	-	-	-	(47,073)
11	Gallons burned during period	102,830	106,965	92,308	67,689	19,924	20,871	14,661	71,834	-	-	-	-	497,062
Gallons oil on hand:														
12	Beginning balance	218,749	257,818	181,419	269,819	55,462	236,552	573,364	534,776	1,536,309	8,867,043	3,944,789	2,254,372	18,930,472
13	Ending balance	200,535	313,328	199,307	282,538	68,790	215,257	557,443	570,798	1,536,309	8,867,043	3,944,789	2,254,372	18,990,509
14	Cost of ending inventory (\$ per gallon)	1.80	1.78	1.75	2.04	1.76	2.46	2.27	2.09	0.79	1.60	1.25	2.34	1.61
Gas Data (C):														
15	MCF received during period				-		-	-	1,124	-	-	6,013	129,033	136,170
16	MCF burned during period				-		-	-	1,124	-	-	6,013	129,033	136,170
MCF gas on hand:														
17	Beginning balance													
18	Ending balance													
19	Cost of ending inventory (\$ per MCF)													

NOTE(S): Detail amounts may not add to totals shown due to rounding.

(A) Twelve months ended includes aerial survey adjustments made to coal inventory in Dec08, which are reflected in cost of coal consumed and tons of coal consumed.

(B) These stations are steam generation only; therefore, gas is not applicable.

(C) Gas is burned as received; therefore, inventory balances are not maintained.

(D) The inventory balance includes Biomass (wood product) fuel; but the average cost of inventory is stand-alone coal, to represent dispatch pricing. (Biomass/wood product is low volume.)

**SCHEDULE 7**

**DUKE ENERGY CAROLINAS  
ANALYSIS OF COAL PURCHASES  
July 2009**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ALLEN</b>	SPOT	-	\$ -	\$ -
	CONTRACT	112,336	10,367,836.73	92.29
	ADJUSTMENTS	-	1,092,591.71	-
	<b>TOTAL</b>	<b>112,336</b>	<b>11,460,428.44</b>	<b>102.02</b>
<b>BELEWS CREEK</b>	SPOT	-	-	-
	CONTRACT	571,080	52,701,298.68	92.28
	ADJUSTMENTS	-	1,563,392.53	-
	<b>TOTAL</b>	<b>571,080</b>	<b>54,264,691.21</b>	<b>95.02</b>
<b>BUCK</b>	SPOT	-	-	-
	CONTRACT	37,882	3,319,080.33	87.62
	ADJUSTMENTS	-	31,904.41	-
	<b>TOTAL</b>	<b>37,882</b>	<b>3,350,984.74</b>	<b>88.46</b>
<b>CLIFFSIDE</b>	SPOT	-	-	-
	CONTRACT	137,775	12,806,499.55	92.95
	ADJUSTMENTS	-	145,039.89	-
	<b>TOTAL</b>	<b>137,775</b>	<b>12,951,539.44</b>	<b>94.00</b>
<b>DAN RIVER</b>	SPOT	-	-	-
	CONTRACT	72	44,548.95	619.17
	ADJUSTMENTS	-	19,528.73	-
	<b>TOTAL</b>	<b>72</b>	<b>64,077.68</b>	<b>890.59</b>
<b>LEE</b>	SPOT	-	-	-
	CONTRACT	22,387	1,780,185.65	79.52
	ADJUSTMENTS	-	(42,019.92)	-
	<b>TOTAL</b>	<b>22,387</b>	<b>1,738,165.73</b>	<b>77.64</b>
<b>MARSHALL</b>	SPOT	-	-	-
	CONTRACT	279,322	22,278,578.74	79.96
	ADJUSTMENTS	-	752,734.21	-
	<b>TOTAL</b>	<b>279,322</b>	<b>23,031,312.95</b>	<b>82.45</b>
<b>RIVERBEND</b>	SPOT	-	-	-
	CONTRACT	21,670	1,758,000.84	81.13
	ADJUSTMENTS	-	(179,879.19)	-
	<b>TOTAL</b>	<b>21,670</b>	<b>1,578,121.65</b>	<b>72.83</b>
<b>ALL PLANTS</b>	SPOT	-	-	-
	CONTRACT	1,182,523	105,056,029.47	88.84
	ADJUSTMENTS	-	3,383,292.37	-
	<b>TOTAL</b>	<b>1,182,523</b>	<b>\$ 108,439,321.84</b>	<b>\$ 91.70</b>

**SCHEDULE 8**

**Duke Energy Carolinas  
Analysis of Quality of Coal Received  
July 2009**

<b>Station</b>	<b><u>Percent Moisture</u></b>	<b><u>Percent Ash</u></b>	<b><u>Heat Value</u></b>	<b><u>Percent Sulfur</u></b>
Allen	6.35	11.20	12,361.00	0.97
Belews Creek	6.91	11.30	12,266.00	0.93
Buck	6.87	12.31	12,046.00	0.67
Cliffside	5.67	10.39	12,592.00	1.00
Dan River	5.89	13.35	12,337.00	0.97
Lee	6.70	12.08	11,986.00	1.13
Marshall	5.99	11.26	12,488.00	1.50
Riverbend	7.06	12.31	11,975.00	1.06

## Schedule 9

Duke Energy Carolinas  
Analysis of Cost of Oil Purchases  
July 2009

Station	Allen	Belews Creek	Cliffside 1-4	Cliffside 5	Lee	Marshall	Riverbend
Vendor	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers
Spot / Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0.03	0.03	0	0.01	0.02	0.03	0.02
Gallons Received	114,416	96,637	7,415	29,665	111,855	183,142	61,042
Total Delivered Cost	\$ 201,937.77	\$ 182,383.93	\$ 13,252.20	\$ 52,180.19	\$ 203,915.49	\$ 343,594.57	\$ 101,642.45
Delivered Cost/Gal	\$ 1.7649	\$ 1.8873	\$ 1.7872	\$ 1.7590	\$ 1.8230	\$ 1.8761	\$ 1.6651
Delivered Cost/MBTU	\$ 12.7002	\$ 13.5446	\$ 12.9078	\$ 12.7294	\$ 13.2268	\$ 13.5733	\$ 12.0938
BTU/Gallon	138,970	139,340	138,460	138,183	137,829	138,221	137,684

Schedule 9

DUKE ENERGY CAROLINAS  
POWER PLANT PERFORMANCE DATA  
TWELVE MONTHS SUMMARY

August,2008 - July,2009

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,871,492	2,538	93.88	91.90
McGuire	18,532,245	2,200	96.16	92.40
Catawba	19,063,499	2,258	96.38	93.92

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**August 2008 through July 2009**  
**Steam Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Belews Creek 1	7,327,183	1,114	75.07	83.07
Belews Creek 2	8,004,104	1,114	82.01	91.67



**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**August 2008 through July 2009**  
**Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	3,388,281	562	68.82	90.71
Marshall 1	2,088,068	380	62.73	88.81
Marshall 2	1,923,538	380	57.78	89.15
Marshall 3	3,694,996	658	64.10	70.17
Marshall 4	4,247,102	660	73.46	84.69

**Duke Energy Carolinas  
Power Plant Performance Data**

Schedule 10

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**Twelve Month Summary  
August 2008through July 2009**

**Other Cycling Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Operating Availability (%)</b>
Allen 1	454,264	165	31.43	84.41
Allen 2	472,616	165	32.70	93.26
Allen 3	1,240,824	265	53.45	92.27
Allen 4	1,332,267	280	54.32	87.25
Allen 5	1,317,409	270	55.70	90.80
Buck 3	20,286	75	3.09	98.63
Buck 4	8,299	38	2.49	97.75
Buck 5	276,665	128	24.67	92.18
Buck 6	296,748	128	26.47	83.18
Cliffside 1	6,501	38	1.95	90.30
Cliffside 2	8,959	38	2.69	92.99
Cliffside 3	37,883	61	7.09	90.28
Cliffside 4	34,021	61	6.37	92.32
Dan River 1	32,973	67	5.62	93.69
Dan River 2	40,792	67	6.95	92.96
Dan River 3	250,210	142	20.11	90.29
Lee 1	107,436	100	12.26	88.49
Lee 2	139,478	100	15.92	95.34
Lee 3	276,350	170	18.56	78.72
Riverbend 4	106,738	94	12.96	93.70
Riverbend 5	108,766	94	13.21	92.99
Riverbend 6	260,607	133	22.37	88.18
Riverbend 7	284,392	133	24.41	90.39

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**August,2008 through July,2009**

**Schedule 10**

**Page 5 of 6**

**Combustion Turbines**

<b>Station Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Operating Availability (%)</b>
Buck CT	-346	93	99.83
Buzzard Roost CT	-1,351	196	100.00
Dan River CT	-362	85	79.87
Lee CT	1,753	82	98.50
Lincoln CT	-2,904	1,264	97.23
Mill Creek CT	-287	592	98.34
Riverbend CT	-1,056	120	79.34
Rockingham CT	66,840	825	94.54

Duke Energy Carolinas

Power Plant Performance

Schedule 10

Page 6 of 6

12 Months Ended JULY 09

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
<b>Conventional Hydro Plants</b>			
Bridgewater	45,953	23.000	95.42
Buzzard Roost	-	-	100.00
Cedar Creek	117,489	45.000	95.13
Cowans Ford	126,965	325.000	96.85
Dearborn	143,831	42.000	91.46
Fishing Creek	128,935	49.000	97.53
Gaston Shoals	15,242	4.600	67.62
Great Falls	1,461	24.000	41.24
Keowee	24,865	157.500	97.80
Lookout Shoals	76,778	27.000	95.30
Mountain Island	90,068	62.000	97.35
Ninety Nine Island	47,996	18.000	62.69
Oxford	87,711	40.000	98.33
Rhodhiss	52,958	30.500	98.29
Rocky Creek	3,462	28.000	26.09
Tuxedo	12,117	6.400	69.75
Wateree	190,612	85.000	94.76
Wylie	124,117	72.000	96.89
Nantahala	201,638	50.000	74.48
Queens Creek	2,712	1.440	96.45
Thorpe	63,579	19.700	97.78
Tuckasegee	5,653	2.500	99.07
Tennessee Creek	30,602	9.800	90.56
Bear Creek	21,989	9.450	95.18
Cedar Cliff	15,869	6.380	95.26
Mission	561	1.800	83.01
Franklin	(8)	1.040	70.96
Bryson	515	1.040	78.58
Dillsboro	-	0.230	50.00
<b>Total Conventional</b>	<u>1,633,669</u>		
<b>Pumped Storage Plants</b>			
Jocassee	948,642	730.000	97.35
Bad Creek	2,173,611	1,360.000	94.50
<b>Total</b>	<u>3,122,253</u>		
<b>Less Energy for Pumping</b>			
Jocassee	(1,225,350)		
Bad Creek	(2,735,662)		
<b>Total</b>	<u>(3,961,012)</u>		
<b>Total Pumped Storage</b>			
Jocassee	(276,708)		
Bad Creek	(562,051)		
<b>Total</b>	<u>(838,759)</u>		

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: July, 2009

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None					
	2	None					
	3	None					
McGuire	1	None					
	2	None					
Catawba	1	None					
	2	None					

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**Exhibit B  
Page 2 of 16**

**July 2009**

**Belews Creek Steam Station**

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
01	7/23/2009 9:50:00 AM To 7/23/2009 11:31:00 PM	Unsch	1488 AIR HEATER (REGENERATIVE)	the 1b sah gear box failure	

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
01	7/26/2009 9:21:00 AM To 7/27/2009 3:29:00 AM	Unsch	4310 STEAM TURBINE CONTROL SYSTEM - DATA HIGHWAY	ovation off of highway	

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
01	7/27/2009 4:01:00 AM To 7/27/2009 8:48:00 AM	Unsch	9930 OPERATING PROCEDURE ERROR	reverse power trip 300g	

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
July, 2009  
Oconee Nuclear Station

Exhibit B  
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	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	744		744		744	
(C1) Net Gen (MWH) and Capacity Factor	632539	100.49	641918	101.98	643633	102.26
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	156	0.02	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-3115	-0.49	-12650	-2.00	-14209	-2.26
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	629424	100.00 %	629424	100.00 %	629424	100.00 %
(I) Equivalent Availability	100.00		99.97		100.00	
(J) Output Factor	100.49		101.98		102.26	
(K) Heat Rate	10,316		10,149		10,129	

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
July, 2009  
McGuire Nuclear Station

Exhibit B  
Page 4 of 16

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	834861	102.01	840845	102.74
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-16461	-2.01	-22445	-2.74
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	818400	100.00 %	818400	100.00 %
(I) Equivalent Availability		100.00		100.00
(J) Output Factor		102.01		102.74
(K) Heat Rate		10,365		10,290

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses



DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
July, 2009  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	853457	101.60	856398	101.96
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	341	0.04
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-13481	-1.60	-16763	-2.00
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	839976	100.00 %	839976	100.00 %
(I) Equivalent Availability		100.00		99.96
(J) Output Factor		101.60		101.96
(K) Heat Rate		10,129		10,092

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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**July 2009**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	695,111	709,482
(C1) Capacity Factor	84.17	85.91
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	0
(D1) Scheduled Outages: percent of Period Hrs	0.00	0.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	1,019	0
(D2) Scheduled Derates: percent of Period Hrs	0.12	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	40,625	0
(E1) Forced Outages: percent of Period Hrs	4.92	0.00
(E2) Net mWh Not Generated due to Partial Forced Outages	85	398
(E2) Forced Derates: percent of Period Hrs	0.01	0.05
(F) Net mWh Not Generated due to Economic Dispatch	89,000	115,960
(F) Economic Dispatch: percent of Period Hrs	10.78	14.04
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	94.95	99.95
(I) Output Factor (%)	88.52	85.91
(J) Heat Rate (BTU/NkWh)	9,188	9,540

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**Exhibit B  
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**July 2009  
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	744	744	744	744
(C1) Net Generation (mWh)	138,128	126,539	459,563	431,511
(D) Net mWh Possible in Period	282,720	282,720	489,552	491,040
(E) Equivalent Availability	79.63	79.97	99.98	99.34
(F) Output Factor (%)	75.75	73.88	93.87	87.88
(G) Capacity Factor	48.86	44.76	93.87	87.88

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**Exhibit B  
Page 8 of 16**

**July 2009  
Cliffside Steam Station**

**Cliffside 5**

<b>(A) MDC (mWh)</b>	<b>562</b>
<b>(B) Period Hrs</b>	<b>744</b>
<b>(C1) Net Generation (mWh)</b>	<b>315,369</b>
<b>(D) Net mWh Possible in Period</b>	<b>418,128</b>
<b>(E) Equivalent Availability</b>	<b>98.67</b>
<b>(F) Output Factor (%)</b>	<b>81.40</b>
<b>(G) Capacity Factor</b>	<b>75.42</b>

DUKE ENERGY CAROLINAS  
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
 August, 2008 - July, 2009  
 Oconee Nuclear Station

Exhibit B  
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	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8760		8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	7515132	101.41	6454071	87.09	6902289	93.14
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	873115	11.78	541863	7.31
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1065	0.01	20309	0.27	-3080	-0.04
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	194808	2.63	122204	1.65
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-105237	-1.42	-131343	-1.77	-152316	-2.06
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7410960	100.00 %	7410960	100.00 %	7410960	100.00 %
(I) Equivalent Availability	99.97		84.94		90.79	
(J) Output Factor	101.41		101.75		102.30	
(K) Heat Rate	10,197		10,137		10,115	

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
August, 2008 - July, 2009  
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	8472836	87.93	10059409	104.39
(D1) Net MWH Not Gen Due To Full Scheduled Outages	897600	9.32	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	36733	0.38	686	0.01
(E1) Net MWH Not Gen Due To Full Forced Outages	521070	5.41	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-292239	-3.04	-424095	-4.40
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9636000	100.00 %	9636000	100.00 %
(I) Equivalent Availability		84.81		99.99
(J) Output Factor		103.11		104.39
(K) Heat Rate		10,196		10,126

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
August, 2008 - July, 2009  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	10142414	102.55	8921085	90.20
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	1113149	11.26
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	933	0.01	43335	0.44
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	45702	0.46
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-253307	-2.56	-233231	-2.36
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9890040	100.00 %	9890040	100.00 %
(I) Equivalent Availability		99.93		87.91
(J) Output Factor		102.55		102.17
(K) Heat Rate		10,028		10,016

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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August 2008 through July 2009

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,114	1,114
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	7,327,183	8,004,104
(C1) Capacity Factor	75.07	82.01
(D1) Net mWh Not Generated due to Full Scheduled Outages	1,478,685	273,286
(D1) Scheduled Outages: percent of Period Hrs	15.15	2.80
(D2) Net mWh Not Generated due to Partial Scheduled Outages	60,392	21,714
(D2) Scheduled Derates: percent of Period Hrs	0.42	0.22
(E1) Net mWh Not Generated due to Full Forced Outages	87,647	508,488
(E1) Forced Outages: percent of Period Hrs	0.90	5.21
(E2) Net mWh Not Generated due to Partial Forced Outages	17,364	9,271
(E2) Forced Derates: percent of Period Hrs	0.18	0.09
(F) Net mWh Not Generated due to Economic Dispatch	788,828	943,237
(F) Economic Dispatch: percent of Period Hrs	8.08	9.66
(G) Net mWh Possible in Period	9,760,200	9,760,200
(H) Equivalent Availability	83.07	91.67
(I) Output Factor (%)	91.55	90.44
(J) Heat Rate (BTU/NkWh)	9,276	9,228

\*Estimated

Footnote: (J) Includes Light Off BTU's



**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**Exhibit B  
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**August 2008 through July 2009**

**Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	659	660
(B) Period Hrs	8,760	8,760	8,760	8,760
(C1) Net Generation (mWh)	2,088,068	1,923,538	3,694,996	4,247,102
(D) Net mWh Possible in Period	3,332,520	3,332,520	5,773,008	5,789,040
(E) Equivalent Availability	88.81	89.15	70.17	84.69
(F) Output Factor (%)	79.48	77.39	89.49	86.46
(G) Capacity Factor	62.73	57.78	64.10	73.46

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**Exhibit B  
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**August 2008 through July 2009**

**Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,760
(C1) Net Generation (mWh)	3,388,281
(D) Net mWh Possible in Period	4,923,120
(E) Equivalent Availability	90.71
(F) Output Factor (%)	82.17
(G) Capacity Factor	68.82

DUKE ENERGY CAROLINAS  
Outages for 100MW or Larger Units  
July,2009

Full Outage Hours					
	<u>Unit</u>	<u>MW</u>	<u>Scheduled</u>	<u>Unscheduled</u>	<u>Total</u>
Oconee	1	846	0.00	0.00	0.00
	2	846	0.00	0.00	0.00
	3	846	0.00	0.00	0.00
McGuire	1	1100	0.00	0.00	0.00
	2	1100	0.00	0.00	0.00
Catawba	1	1129	0.00	0.00	0.00
	2	1129	0.00	0.00	0.00

**Duke Energy Carolinas**  
**Outages for 100 mW or Larger Units**  
**July 2009**

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	165	44.50	0.00	44.50
Allen 2	165	0.00	0.00	0.00
Allen 3	265	10.00	0.00	10.00
Allen 4	280	36.00	0.00	36.00
Allen 5	270	8.50	0.00	8.50
Belews Creek 1	1,110	0.00	36.60	36.60
Belews Creek 2	1,110	0.00	0.00	0.00
Buck 5	128	0.00	0.00	0.00
Buck 6	128	44.50	0.00	44.50
Cliffside 5	562	0.00	0.00	0.00
Dan River 3	142	0.00	25.75	25.75
Lee 1	100	0.00	0.00	0.00
Lee 2	100	0.00	0.00	0.00
Lee 3	170	0.00	82.17	82.17
Marshall 1	380	34.33	87.03	121.37
Marshall 2	380	39.50	102.00	141.50
Marshall 3	658	0.00	0.00	0.00
Marshall 4	660	0.00	0.00	0.00
Riverbend 6	133	42.43	0.00	42.43
Riverbend 7	133	56.75	0.00	56.75
Rockingham CT1	165	0.00	0.00	0.00
Rockingham CT2	165	0.00	0.00	0.00
Rockingham CT3	165	0.00	0.00	0.00
Rockingham CT4	165	4.40	0.00	4.40
Rockingham CT5	165	0.00	0.00	0.00

(SC -- Monthly Fuel Cover letter)

The appropriate schedules have been revised to reflect changes to events at Riverbend.

### **List of Revisions:**

(included with July 2009 Monthly Fuel Filing)

#### **Jun09**

Revised, Schedule 10, Page 4 of 6

(SC)

**Duke Energy Carolinas  
Power Plant Performance Data**

REVISED  
Schedule 10  
Page 4 of 6

**Twelve Month Summary  
July 2008 through June 2009**

**Other Cycling Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Operating Availability (%)</b>
Allen 1	522,395	165	36.14	84.92
Allen 2	549,829	165	38.04	92.22
Allen 3	1,282,807	265	55.26	92.38
Allen 4	1,341,233	280	54.68	87.03
Allen 5	1,381,949	270	58.43	90.89
Buck 3	34,863	75	5.31	95.95
Buck 4	18,752	38	5.63	95.52
Buck 5	330,461	128	29.47	91.20
Buck 6	355,724	128	31.72	83.69
Cliffside 1	14,235	38	4.28	86.07
Cliffside 2	9,069	38	2.72	84.49
Cliffside 3	50,358	61	9.42	86.52
Cliffside 4	55,806	61	10.44	91.55
Dan River 1	58,428	67	9.96	93.50
Dan River 2	65,464	67	11.15	92.44
Dan River 3	314,387	142	25.27	90.56
Lee 1	145,759	100	16.64	88.26
Lee 2	187,638	100	21.42	95.34
Lee 3	249,532	170	16.76	71.17
Riverbend 4	156,246	94	18.97	93.87
Riverbend 5	145,417	94	17.66	92.68
Riverbend 6	296,291	133	25.43	87.93
Riverbend 7	303,659	133	26.06	89.81